



Defense Information Systems Agency

A Combat Support Agency

JITC Command Brief

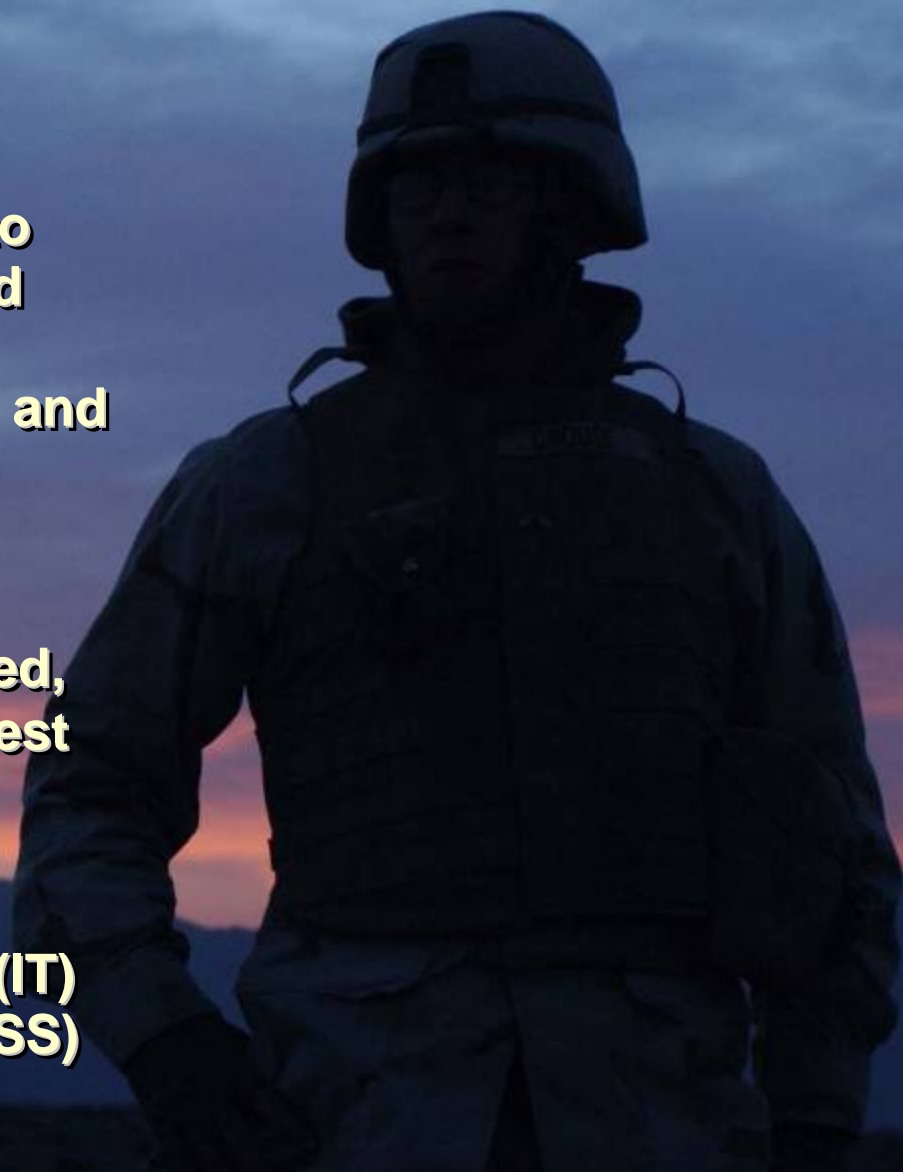
Mr. Stu Brock
Deputy Commander
Joint Interoperability Test Command

Mission & Vision



Mission: Conduct DoD-wide Systems of Systems (SoS) joint interoperability test, certification, operational testing, and analysis to enhance combat effectiveness and support investment decisions in Warfighting, National Intelligence, and Business mission areas

Vision: Creation of the integrated, DoD-wide, mission area focused test and evaluation capability which enables the rapid deployment of interoperable and operationally effective Information Technology (IT) and National Security Systems (NSS)



JITC Roles



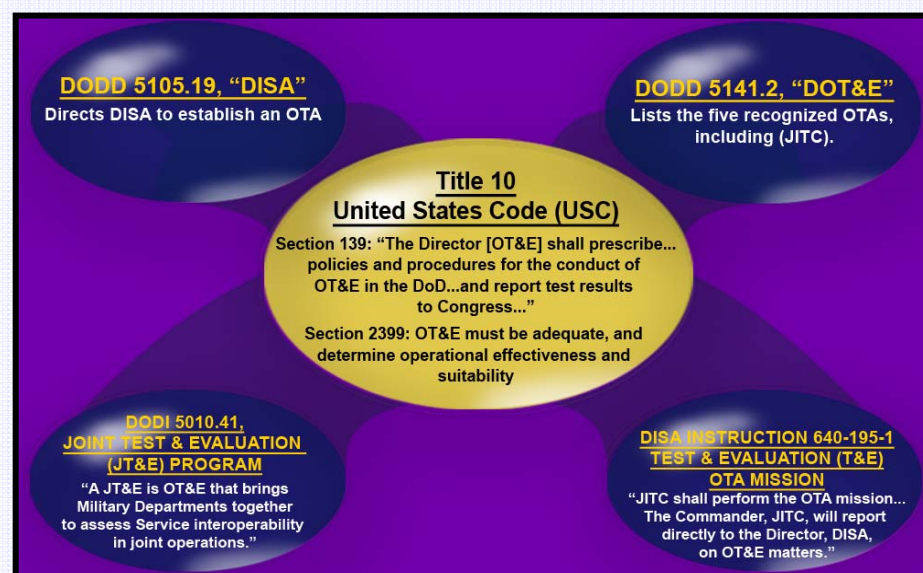
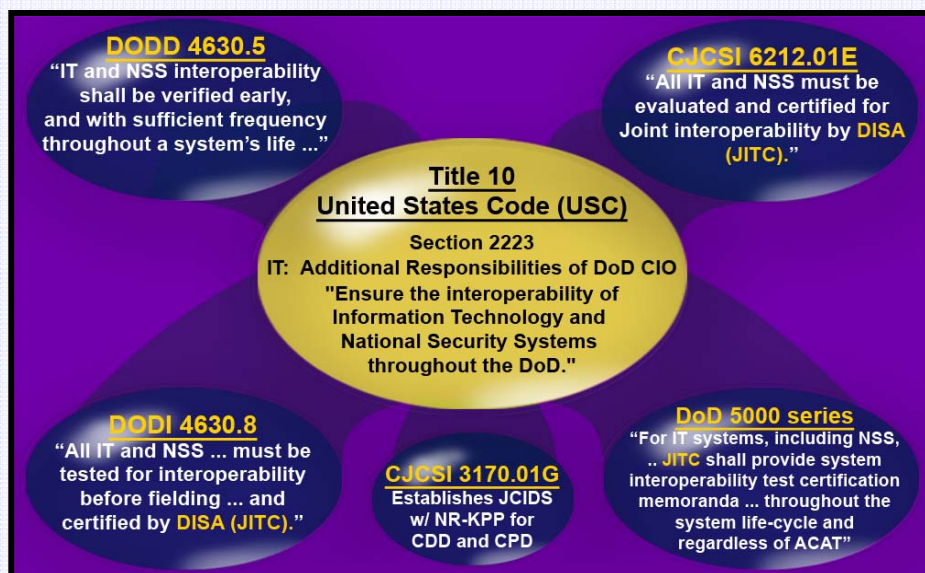
- ***Joint Interoperability Certifier***
 - DoD's Information Technology (IT) and National Security Systems (NSS)
- ***Operational Test Agency***
 - DISA and other DoD elements
- ***Warfighter Joint and Coalition Interoperability Support***
 - COCOMs during their exercises, contingencies, and operations

Authority



JS - Interoperability Certification

DOT&E - Operational Test Reports



Warfighter Support



- Provide the COCOMs with direct support to help identify and resolve joint / coalition interoperability issues at home station and deployed

Contingency & Exercise Support



Hot Line Support

- 24/7 Technical Support
- Fielding roughly a call a day
- 1-800-LET-JITC (538-5482)
- DSN: TRY-JITC (879-5482)
- hotline@disa.mil
- hotline@fhu.disa.smil.mil
- <http://jitc.fhu.disa.mil>

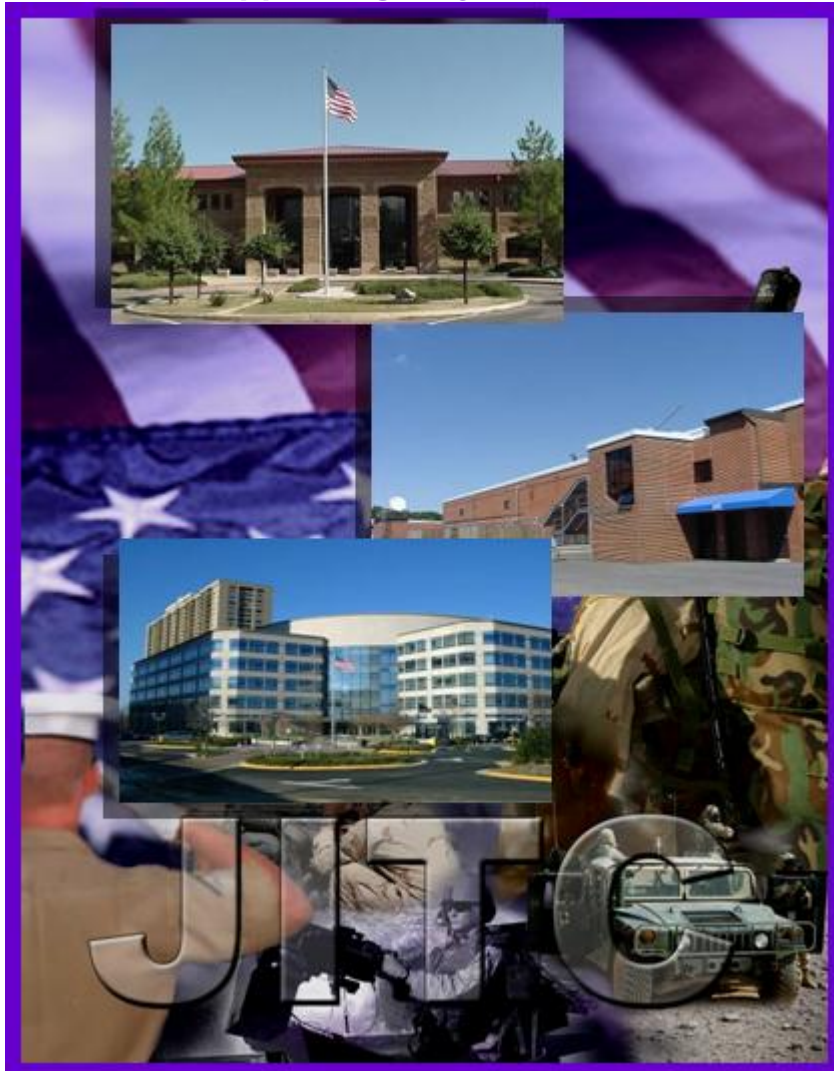
**Leveraging JITC's
extensive experience
base in support of the
WARFIGHTER**

Since 1989, 24/7 Technical Support for the Warfighter **5**



A Combat Support Agency

Personnel & Facilities



FORT HUACHUCA, AZ

CIVILIAN	MILITARY	CONTRACTOR	TOTAL
176	36	678	890

Lab Space 213,104 sq. ft.

INDIAN HEAD, MD

CIVILIAN	MILITARY	CONTRACTOR	TOTAL
66	26	145	237

Lab Space 108,868 sq. ft.

FALLS CHURCH, VA

CIVILIAN	MILITARY	CONTRACTOR	TOTAL
16	1	70	87

* LNO at CENTCOM

* JS J6 Liaison in NCR

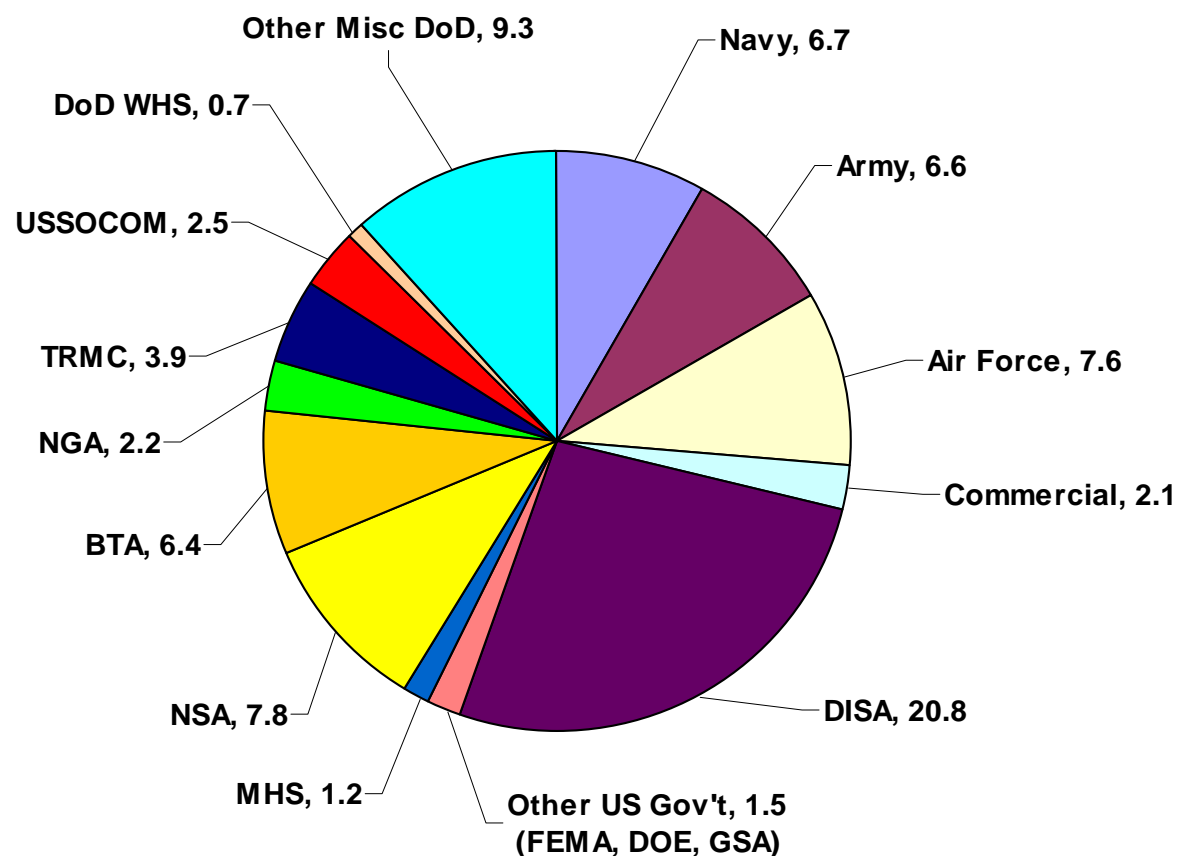
1,200+ personnel at 3 JITC locations

FY10 Customer Profile

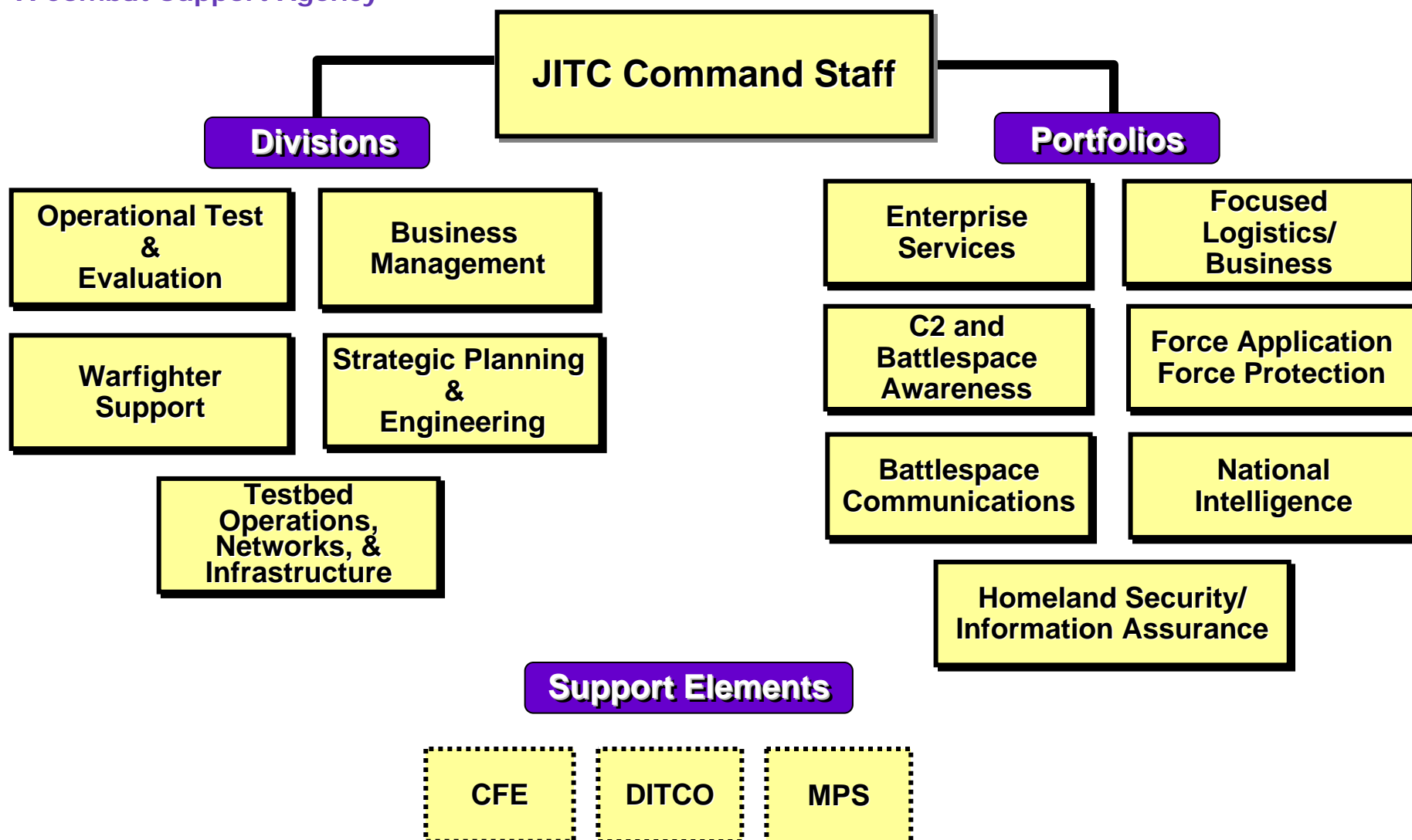
(through 10 May 10)



TOTAL Reimbursable Funding for Divisions and Portfolios: \$79.3 Million



Mission Support Structure



Aligned with Warfighter Mission Areas

Alignment with CPs



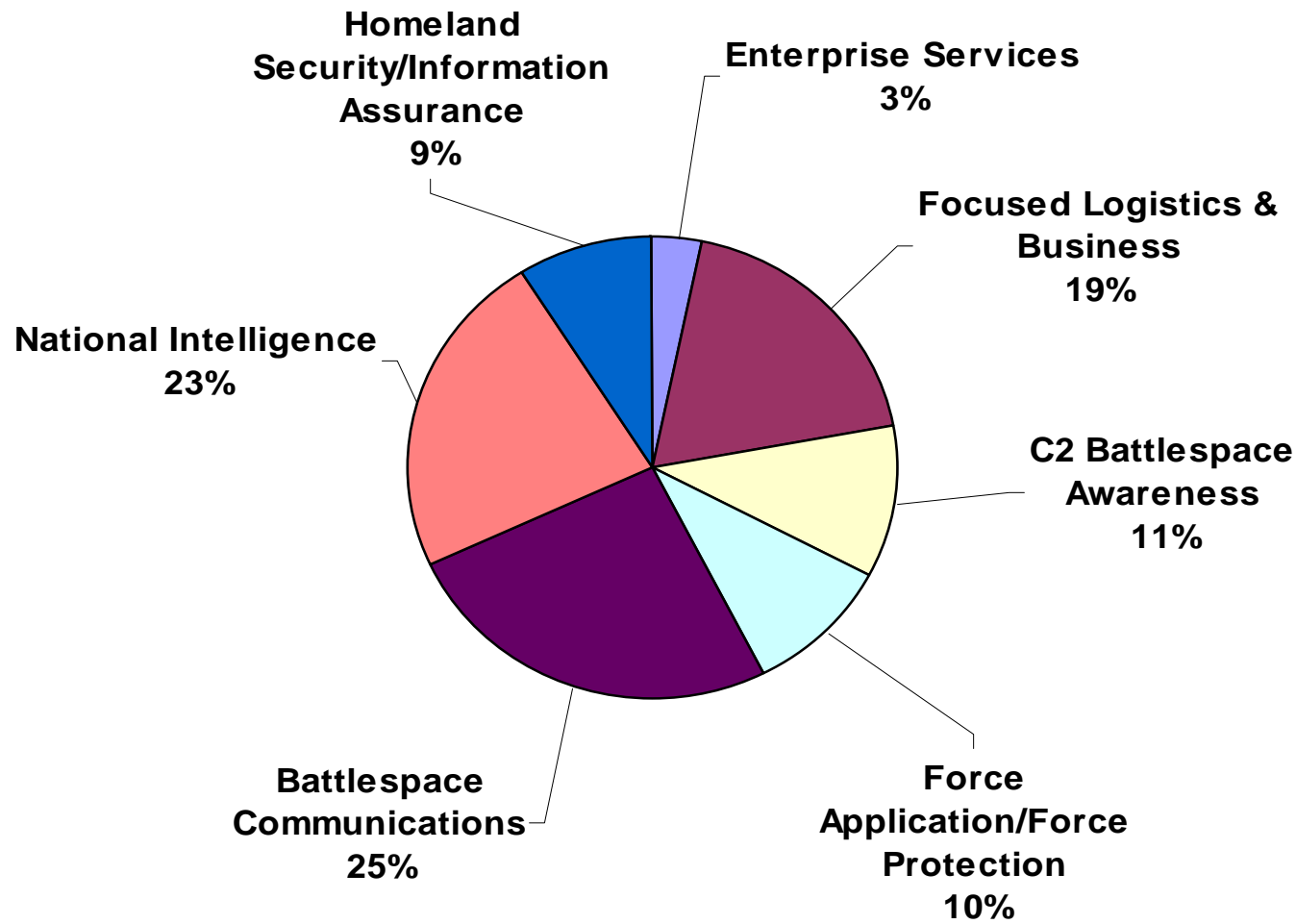
DoD Capability Portfolio	JITC Test Portfolio
Command and Control	C2 Battlespace Awareness
Battlespace Awareness	C2 Battlespace Awareness National Intelligence
Net-Centric	Enterprise Services Battlespace Communications Homeland Security/IA
Logistics	Focused Logistics/Business
Protection	Homeland Security/IA Force Application/Force Protection
Force Application	Force Application/Force Protection
Force Support	Focused Logistics/Business
Corporate Management Support	Focused Logistics/Business
Building Partnerships	N/A

FY10 Reimbursable Funding by Portfolio

(through 10 May 10)

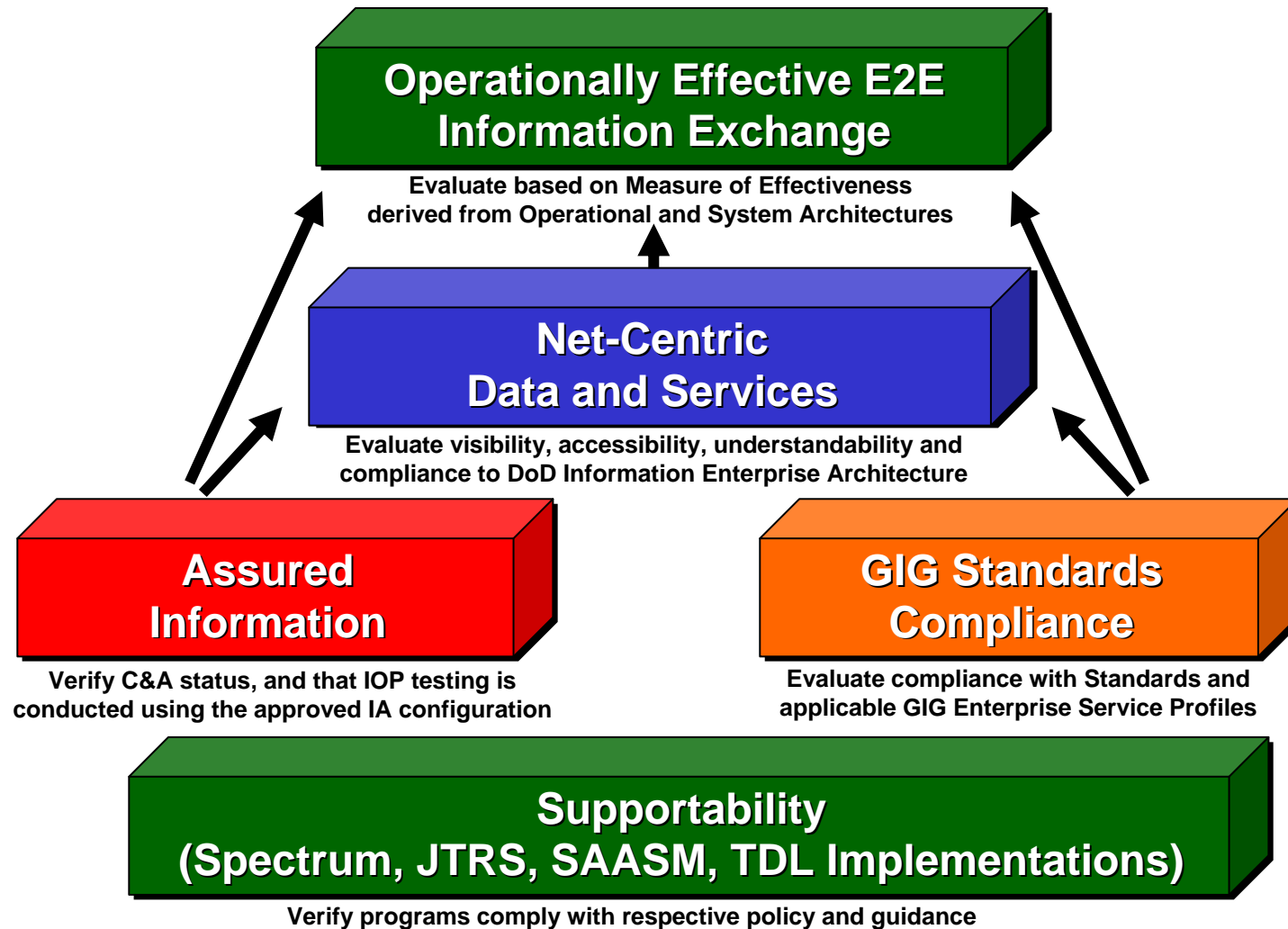


100% = \$64.2M

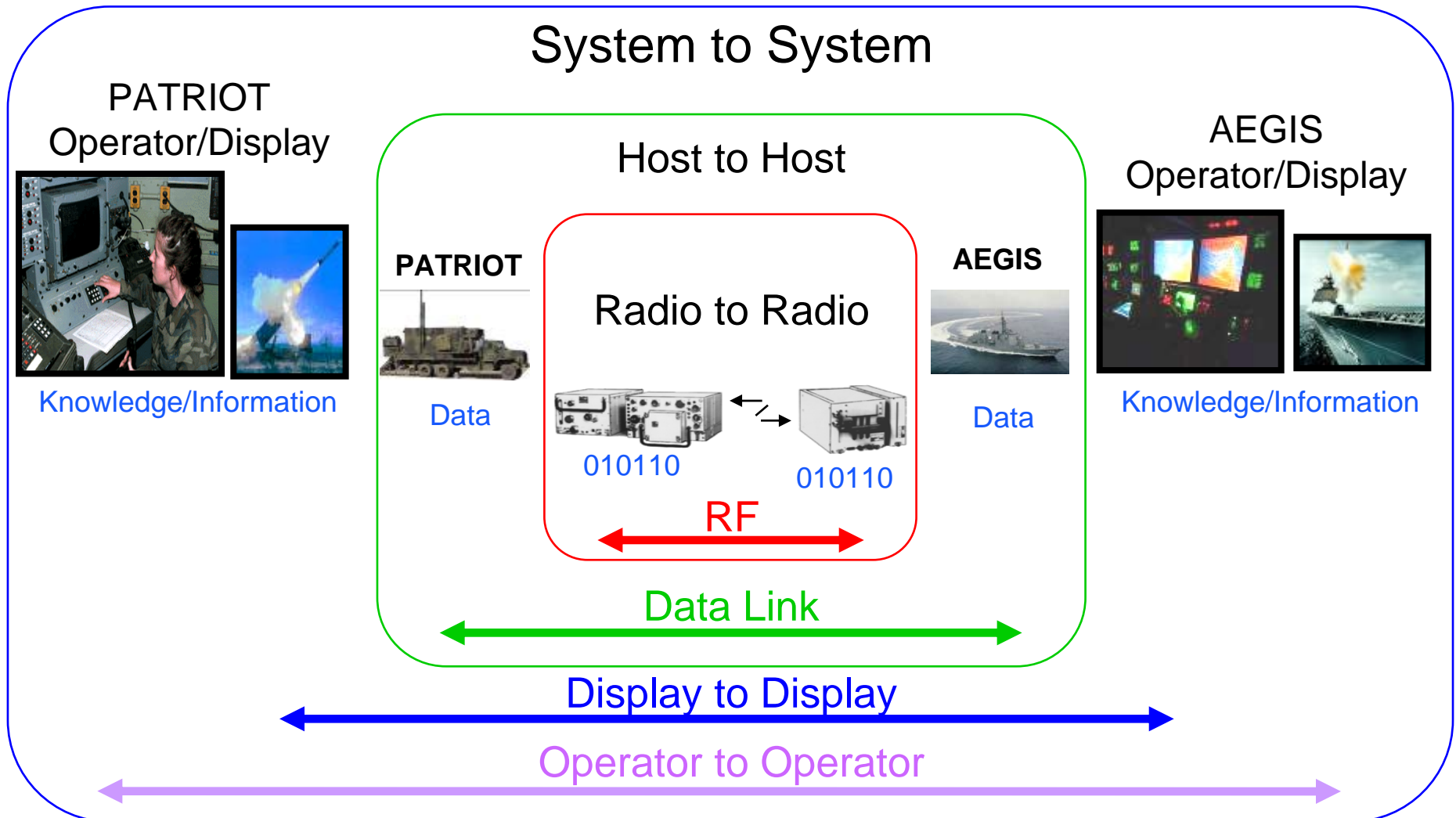


* \$15.1M Additional Reimbursable Funding in Divisions

NR-KPP Elements



JITC Interoperability Certification is based on NR-KPP requirements in CPD and ISP\TISP



Mapping NR-KPP to Operational Impact

(notional example)



Capability	Operational Activity	System Function	Interface	Data & Services	Standards
JMT	OV-5	SV-4	SV-6	EVTS	TV-1
Joint C2	Understand Blue Force Resource States	Blue Force Location Auto Track Feed	(T) FBCB2 EPLRS (T) BFT SATCOM	Service: Blue Force Ground Data – Current	WSDL UDDI XML
		Blue Force Location ISR Sensors	(T) BFT SATCOM (O) DCGS-A	Service: Blue Force Ground Data – Projected Data: JBFSA Schema/BFT COI	WS-I Basic Profile SOAP
Compliant Solution Architectures (Operationally Effective Information Exchanges)				Net-Centric Data & Services	GIG Technical Guidance
Information Assurance & Supportability					

Optical and Wireless Capabilities

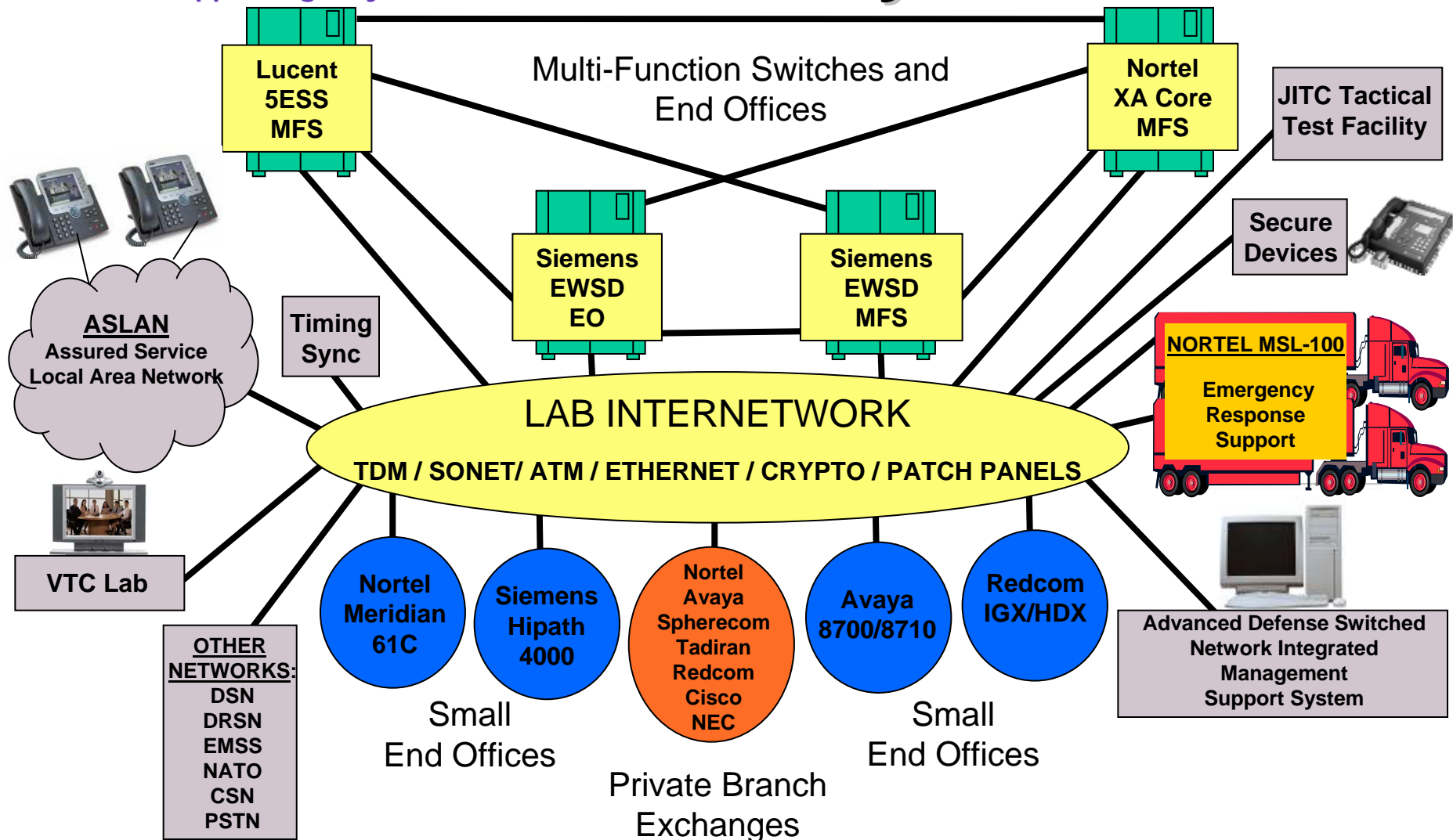


- Replicates high bandwidth backbone & wireless edge
- Optical testing capability up to 10 Gbps (OC192)
 - Gigabit Ethernet
 - Packet-Over-Sonet
 - Optical Switching
- Wireless lab integrated into the distributed test network
 - 802.11 WLAN
 - 802.16
 - Bluetooth and Freespace Optics
- Employs multi-technology mix from multiple vendors
- Supports Proof of Concept assessments with industry and certification testing of DoD Programs



High bandwidth and high mobility are critical to information superiority

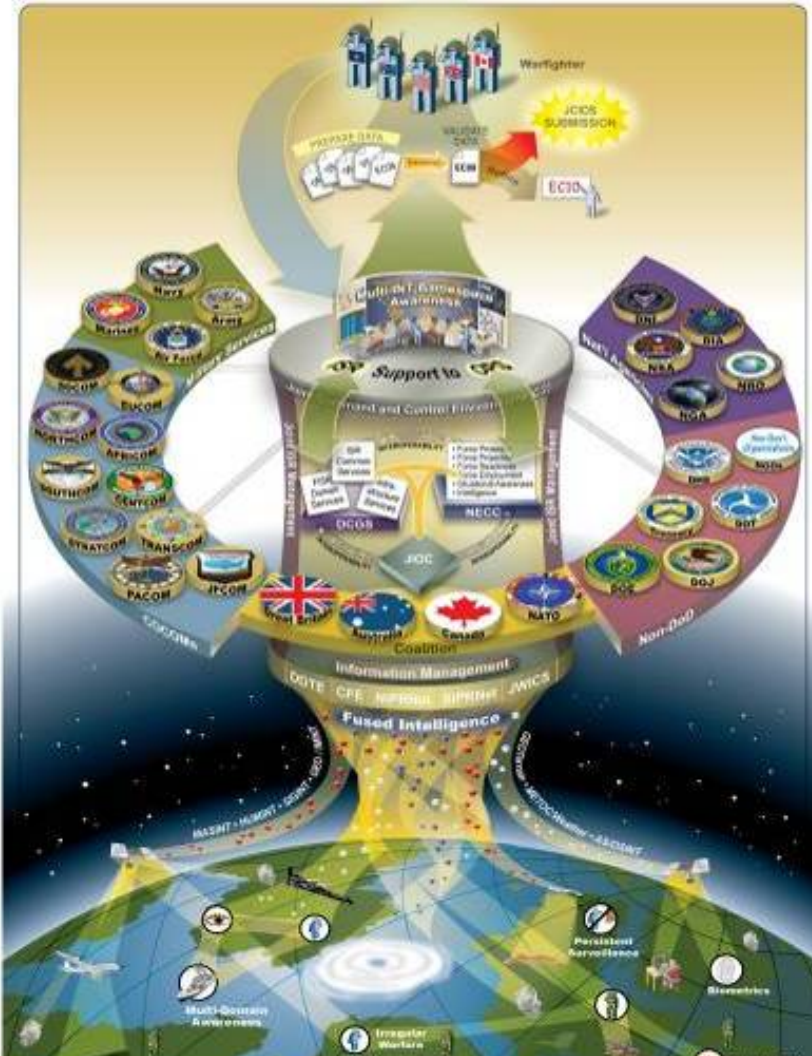
Global Network Test Facility



\$50M Replicated GIG Backbone Allows Streamlined Alternative to JCIDS Acquisition for Converged Voice, Video, and Data

4 Primary Focus Areas:

- DCGS Enterprise Assessment
 - DIB Federation
 - Multinational Data Sharing
 - Service Component DCGS Systems
- Technical Assessment
 - Net-Centric Data and Services Strategy of NR-KPP
 - Motion Imagery (MI) Standards Conformance
 - Still Imagery (NITF/GMTI) Standards Conformance
- DOT&E Independent Assessments
 - Interoperability (IOP)
 - Information Assurance (IA)
- Networks
 - DDTE Enterprise Services (US SECRET, ONLY)
 - CFBLNet Backbone (UCSN, CFE, KSAF)
 - Cross-Domain Solution Architecture and Hosting
 - Key Infrastructure at JITC
 - CENTAUR Cross-Domain Solution
 - Valiant Angel
 - Tactical Data Link/Link 16 Hardware



Facilitates Key Network Infrastructure and Helps to Publish Capability-Specific Assessments Enabling Rapid Fielding to Meet Warfighter Requirements

Combined Endeavor

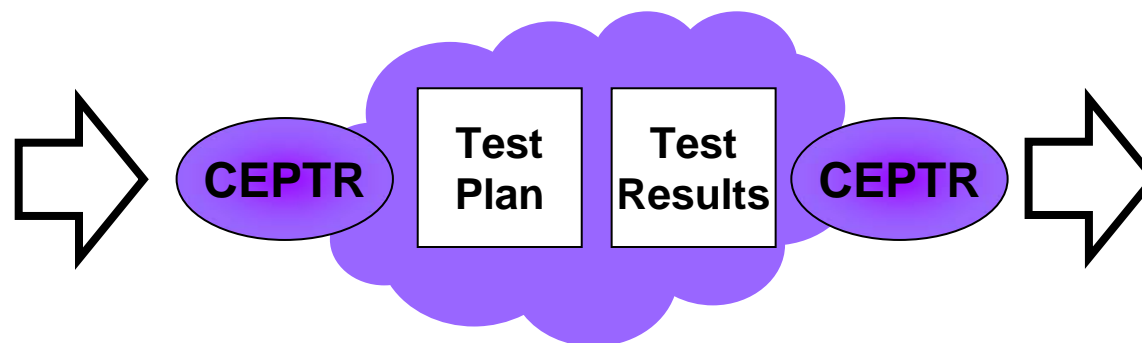


- Program that encourages nations in the EUCOM AOR to develop relationships with the United States and other countries through the Interoperability Testing of military communications systems.

40+ Countries

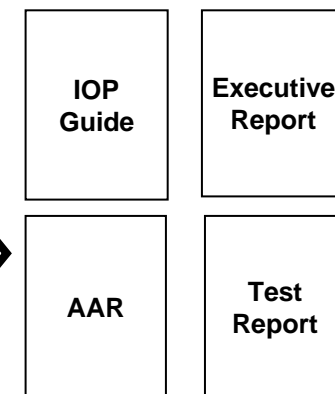


Interoperability Testing



CEPTR – JITC developed test application

JITC Products



**Improved
Multi-National
Interoperability**

**JITC serves as the Endeavor series Test Assessment Lead
for EUCOM, AFRICOM and PACOM**

DoD Interoperability Communications Exercise (DICE)



- Triannual JS/JFCOM-sponsored exercise focused on
 - Streamlined interoperability testing and certification
 - Unit-level training in diverse environment
 - Collaboration among DoD, Local, State, Federal, and non-government organizations
- Replicates complex Joint Task Force communications network
- Utilizes operational warfighting systems with their actual users
- Integrates in new technologies from developers and industry partners
- DICE 2009
 - Hosted three DICE events
 - 60+ systems/capabilities participated
 - 30 system/capability assessments or certifications



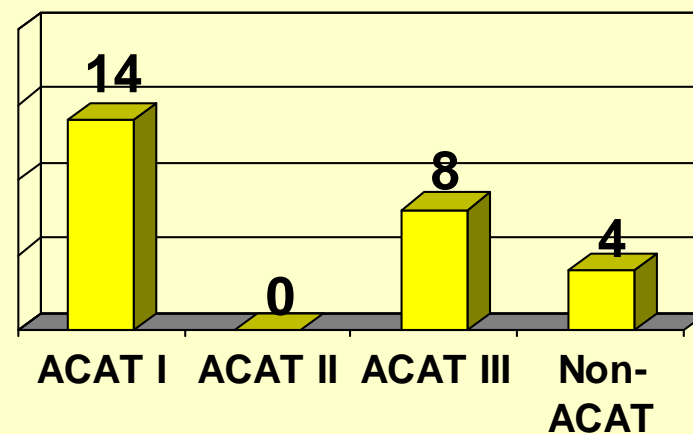
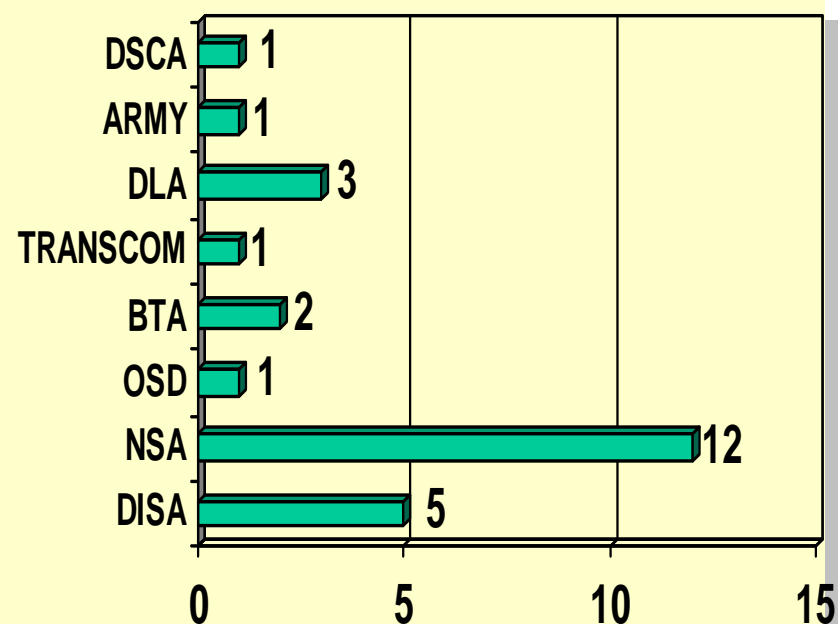
**Increased Operational Realism with Reduced Acquisition
Timelines & Testing Costs**

DISA JITC OT&E Support

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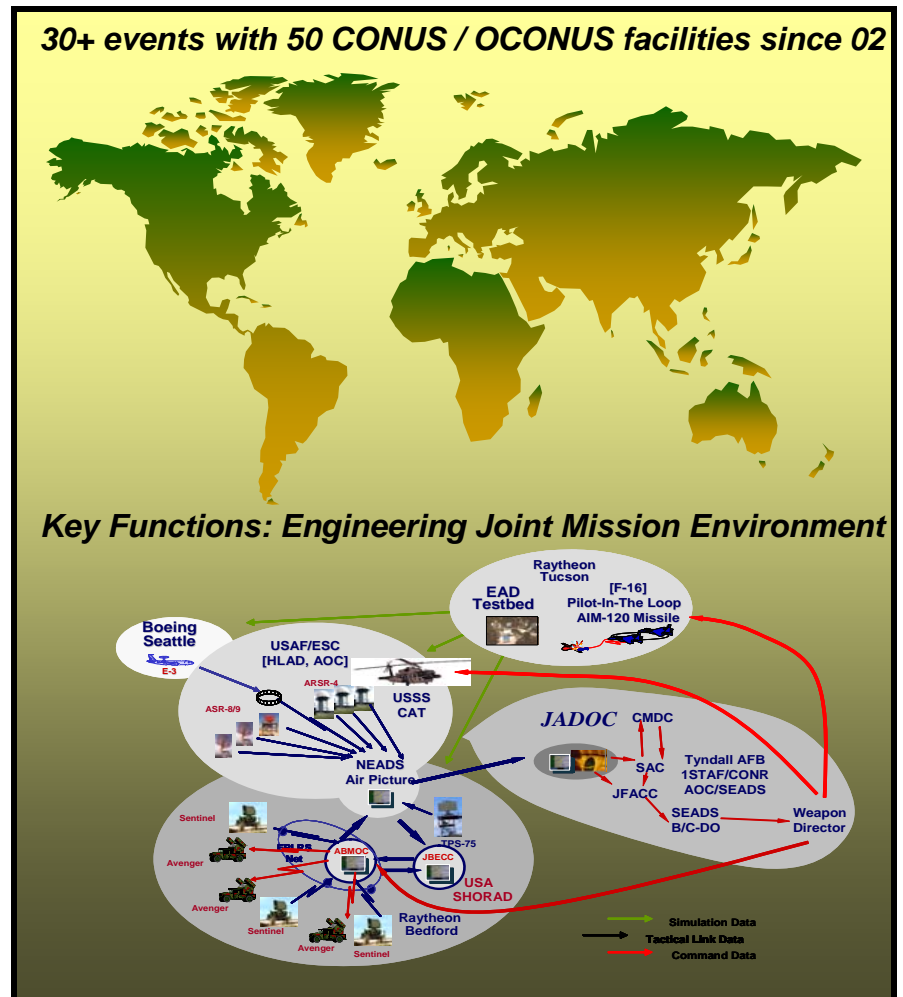
- Chartered as DISA's Operational Test Agency
- Brief DOT&E on the planning, conduct, and results of OT&E for oversight programs
- Determine system operational effectiveness, operational suitability, and survivability in operational realistic environments
- Reporting requirement to Milestone Decision Authority, Program of Record, DOT&E, and User Representative
- Focused on Information Technology Systems



7 On DOT&E Oversight



- 30+ events with 50 CONUS / OCONUS facilities since 2002
 - Joint Tactical Data Link testing
 - SIAP Joint Combined HWIL events
 - Distributed Common Ground System Integration Backbone (DIB)
 - NECC Blue Force Tracking
 - NCES PVT DT/OT support
 - NATO Tactical Data Link
 - Combined Interoperability Test
- Areas of expertise
 - Joint mission environment engineering (sys engineering)
 - M&S and test tools development
 - Network Support & Site Integration



Testing and certification experience
in Joint distributed mission environments

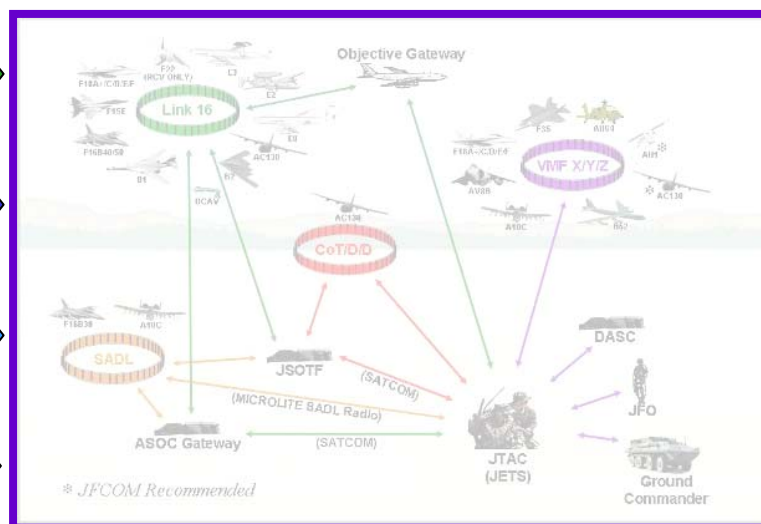
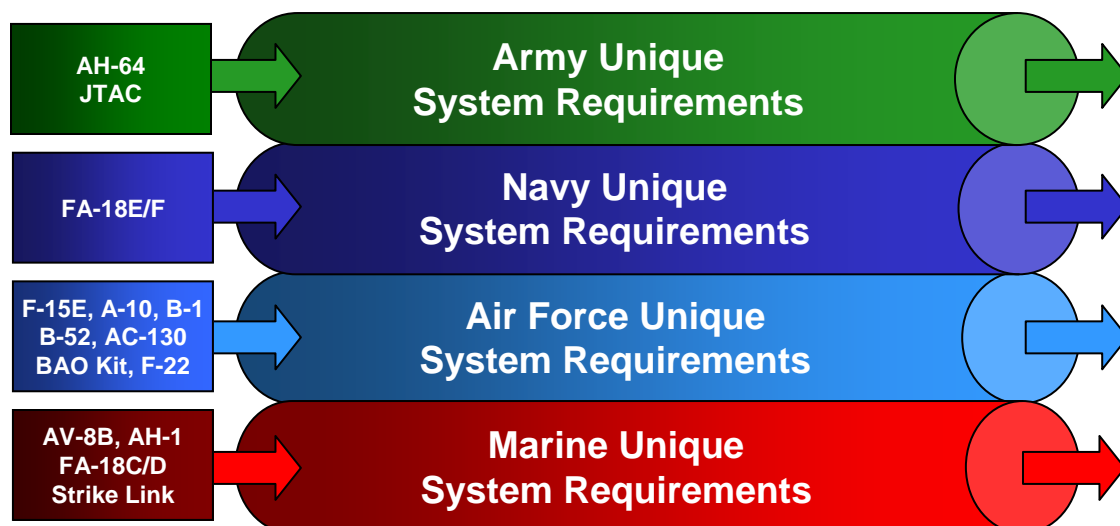


Capability Portfolio Manager



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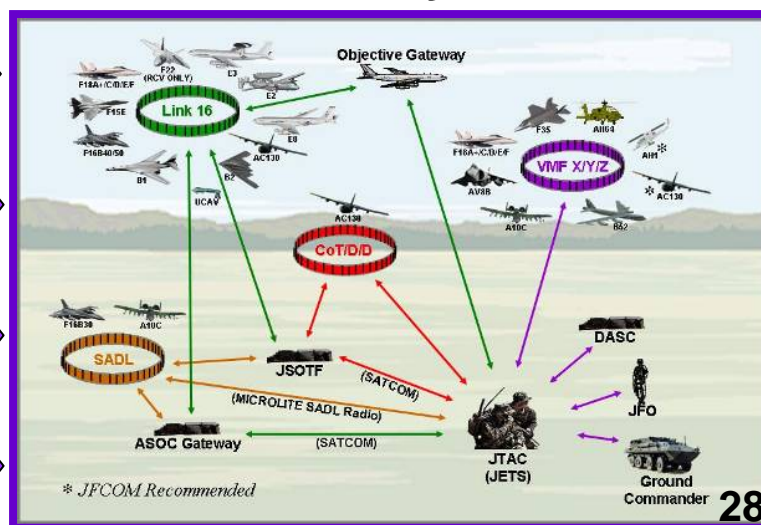
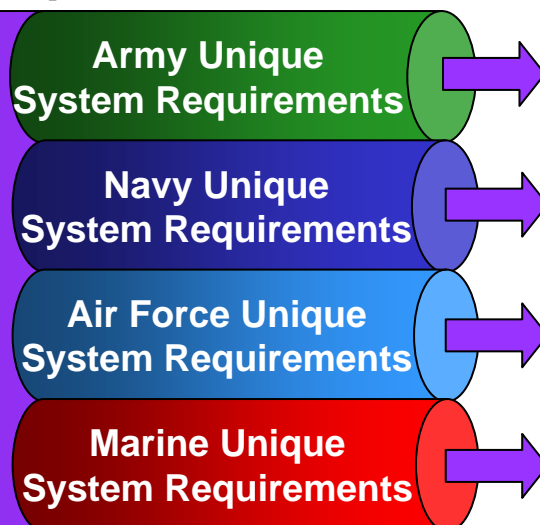
Service Focused Requirements Produce Service Focused Systems



CPM Focused Requirements Produce Joint Focused Systems

System of System Solutions

- Joint Architecture
- Standards Profiles
- Configuration Control



Proposed Way Ahead



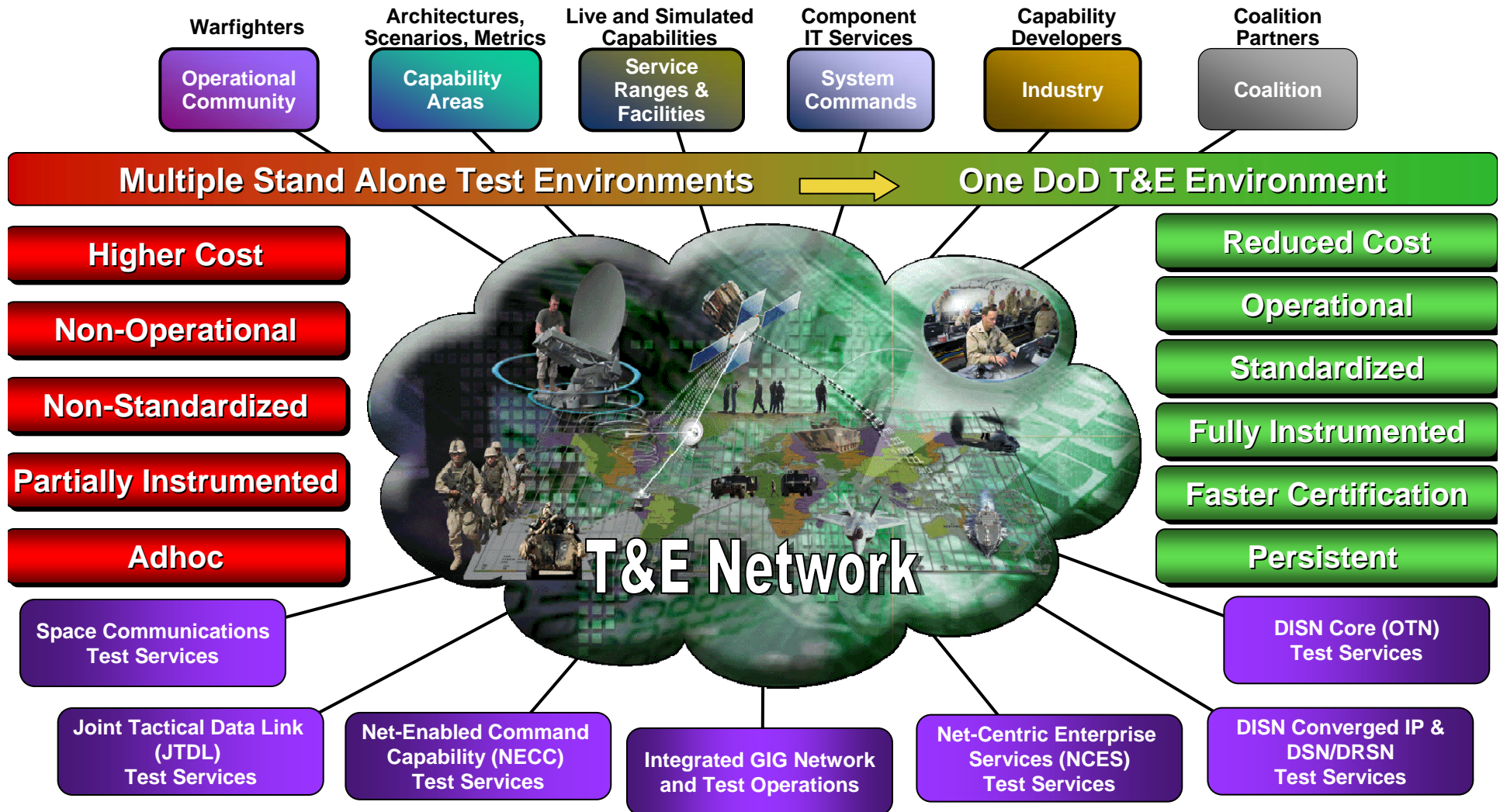
CPM Activities

- Establish portfolio ontology, operational architecture and data strategy
- Establish mission area authoritative data sources
- Sponsor CPM test, experimentation and piloting events
- Direct DOTMLPF changes as needed to enhance/maintain interoperability
- Oversee/influence configuration management of joint capabilities

JITC Support

- Provide input to architecture development for testability and interoperability
- Serve as executive agent for CPM sponsored test/experimentation events
- Provide Joint Interoperability Certification/Assessment letters that outline system compliance with key CPM requirements
- Establish distributed CPM T&E Federations
- Establish CPM T&E NetOps Center

Future Test & Evaluation Environment



DISA MRTFB Capability Provisioning and World Wide Connectivity

JITC

*Provides Unparalleled
WARFIGHTER Support*



*The **BATTLEGROUND**
should **not** be the
TESTING GROUND*

